Luminaire

Code	309
Name	NANS_PORTABLE_M_OUTDOOR_USA
Line	

Measurem.

Code	CL092A25D002GPE1
Name	NANS_PORTABLE_M_OUTDOOR_USA

Source Data

Code	LED	Correlated Color Temperature (CCT)	2647K	Q.ty	1
Name	LED	Color rendering index (CRI)	91		
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	21-01-2025	Maximum Gamma Angle	180°
Measurement Distance	6.49m	Measurement Flux	398.2 lm
Maximum	515.39 cd/klm	Position	C=0.0° G=0.0°
Remarks	RM25012101		

Electrical Parameters

Channel 1		Channel 2	
Voltage	120.00 V	Voltage	0.00 V
Current	0.08 A	Current	0.00 A
Power	8.40 W	Power	0.00 W
Frequency	50 Hz	Frequency	0 Hz
Power Factor	0.58	Power Factor	0.00

Environmental Parameters

Temperature	25.5 °C	Air Speed	0.0 m/s
Humidity	24.9 %		

Luminaire Dimensions

Round Luminaire	Diam.	255 mm	Height	480 mm
Round Luminous Area	Diam.	110 mm	Height	30 mm

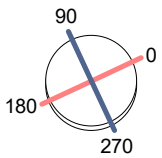
Horizontal Luminous Area	0.009503 m2	Emitting area on Plane 180°	0.003300 m2
Emitting area on Plane 0°	0.003300 m2	Emitting area on Plane 270°	0.003300 m2
Emitting area on Plane 90°	0.003300 m2	Glare area at 76°	0.005501 m2

Photometric Assessment

Luminaire Flux	398.2 lm	Source Flux	398.2 lm
Efficacy	47.401 lm/W	Efficiency	100.0 %
CIE Flux Codes	44 69 87 85 100	D DIN 5040	B31
F UTE	0.85 F + 0.15 T	B NBN	BZ 5 / 4 / BZ 6

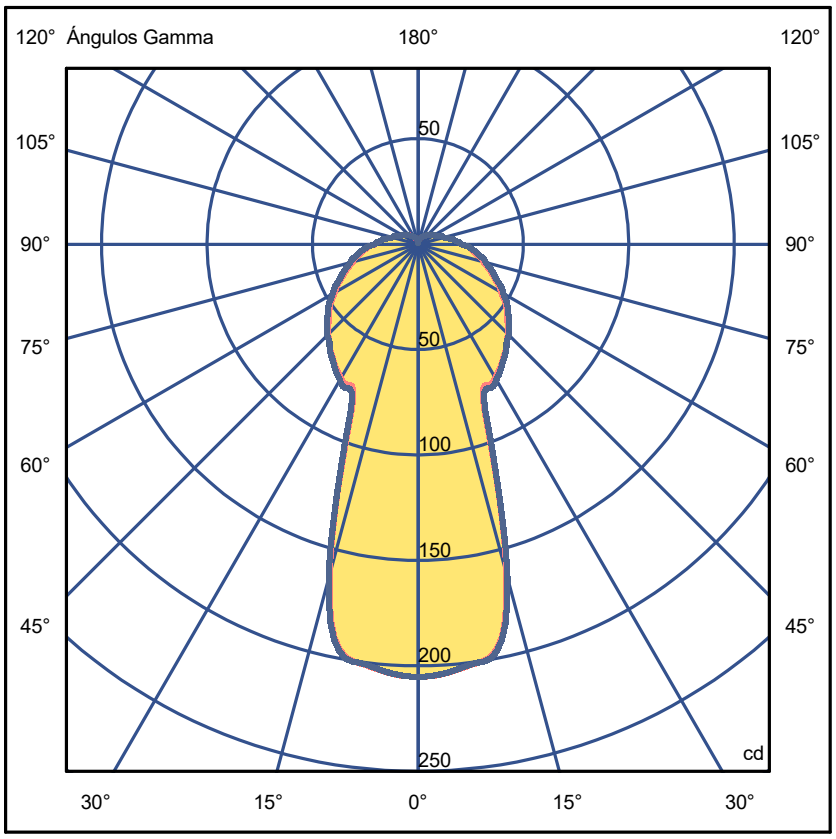


Diam=255mm





ULOR 15.22 %
DLOR 84.78 %
RN 15.22 %



Luminaire
Code 309
Name NANS_PORTABLE_M_OUTDOOR_USA
Measurem.
Code CL092A25D002GPE1
Name NANS_PORTABLE_M_OUTDOOR_USA

Luminaire Flux	398 lm	Luminaire Power	8.4 W	Efficacy	47.401 lm/W	Efficiency	100.00%
Source Flux	398 lm	Maximum value	205.21 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

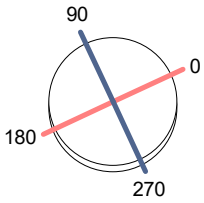
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	205	205	205	205	205	205	205
G 2.5	205	204	204	205	205	205	205
G 5.0	203	203	203	203	203	203	203
G 7.5	201	201	201	201	201	201	201
G 10.0	199	198	199	199	199	199	199
G 12.5	187	187	188	188	188	189	188
G 15.0	162	162	163	163	162	164	164
G 17.5	130	131	131	131	130	131	131
G 20.0	101	102	102	101	101	102	102
G 22.5	81	82	82	81	81	81	83
G 25.0	74	75	75	74	74	75	76
G 27.5	75	75	75	75	75	76	76
G 30.0	73	73	73	73	73	74	74
G 32.5	71	71	71	70	71	72	72
G 35.0	69	69	69	68	69	69	70
G 37.5	67	67	67	66	67	67	67
G 40.0	65	65	65	64	65	65	65
G 42.5	62	63	62	61	62	62	62
G 45.0	60	61	60	59	60	61	61
G 47.5	58	58	58	57	58	58	59
G 50.0	55	55	55	55	56	56	56
G 52.5	53	53	53	52	53	54	54
G 55.0	51	51	51	51	51	52	52
G 57.5	48	48	48	48	49	50	49
G 60.0	45	45	46	45	46	46	47
G 62.5	44	43	44	44	44	45	45
G 65.0	41	41	41	41	42	42	42
G 67.5	39	38	38	39	39	39	39
G 70.0	36	37	37	37	37	37	37
G 72.5	34	34	34	35	35	35	35
G 75.0	32	32	32	33	33	33	33
G 77.5	31	31	31	32	32	32	32
G 80.0	28	28	29	29	29	29	29
G 82.5	27	27	27	27	28	28	28
G 85.0	25	25	25	25	26	26	26
G 87.5	24	23	24	24	24	24	24
G 90.0	20	21	20	21	21	21	21
G 92.5	20	20	20	20	20	20	20
G 95.0	18	18	18	18	18	18	18
G 97.5	17	17	17	17	17	17	17
G100.0	15	15	15	15	15	15	15
G102.5	14	14	14	14	14	14	14
G105.0	12	12	13	13	13	13	13
G107.5	12	12	12	12	12	12	12
G110.0	11	11	12	12	12	12	12
G112.5	10	10	11	11	11	11	11
G115.0	10	10	10	10	10	10	10
G117.5	9	9	9	9	9	9	9
G120.0	9	9	9	9	9	9	8
G122.5	8	8	8	8	8	8	8
G125.0	8	8	8	8	8	8	7
G127.5	7	7	7	8	7	7	7
G130.0	7	7	7	7	7	7	7
G132.5	6	6	6	7	6	6	6
G135.0	6	6	6	6	6	6	6
G137.5	6	6	6	6	6	5	6
G140.0	5	5	5	6	5	5	5
G142.5	5	5	5	5	5	5	5
G145.0	5	5	5	5	5	4	5
G147.5	4	4	4	4	4	4	4
G150.0	4	4	4	4	4	4	4
G152.5	4	4	4	4	4	4	4
G155.0	4	4	3	3	3	3	4
G157.5	3	3	3	3	3	3	3
G160.0	3	3	3	3	3	3	3
G162.5	3	3	3	3	3	3	3
G165.0	3	3	2	2	2	3	3
G167.5	2	2	2	2	2	2	2
G170.0	2	2	2	2	2	2	2
G172.5	2	2	2	1	2	2	2
G175.0	1	1	1	1	1	1	1
G177.5	0	1	1	1	1	1	1
G180.0	1	1	1	1	1	1	1

Luminaire
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Measurem.
Code CL092A25D002GPE1
Name NANS_PORTABLE_M_OUTDOOR_USA

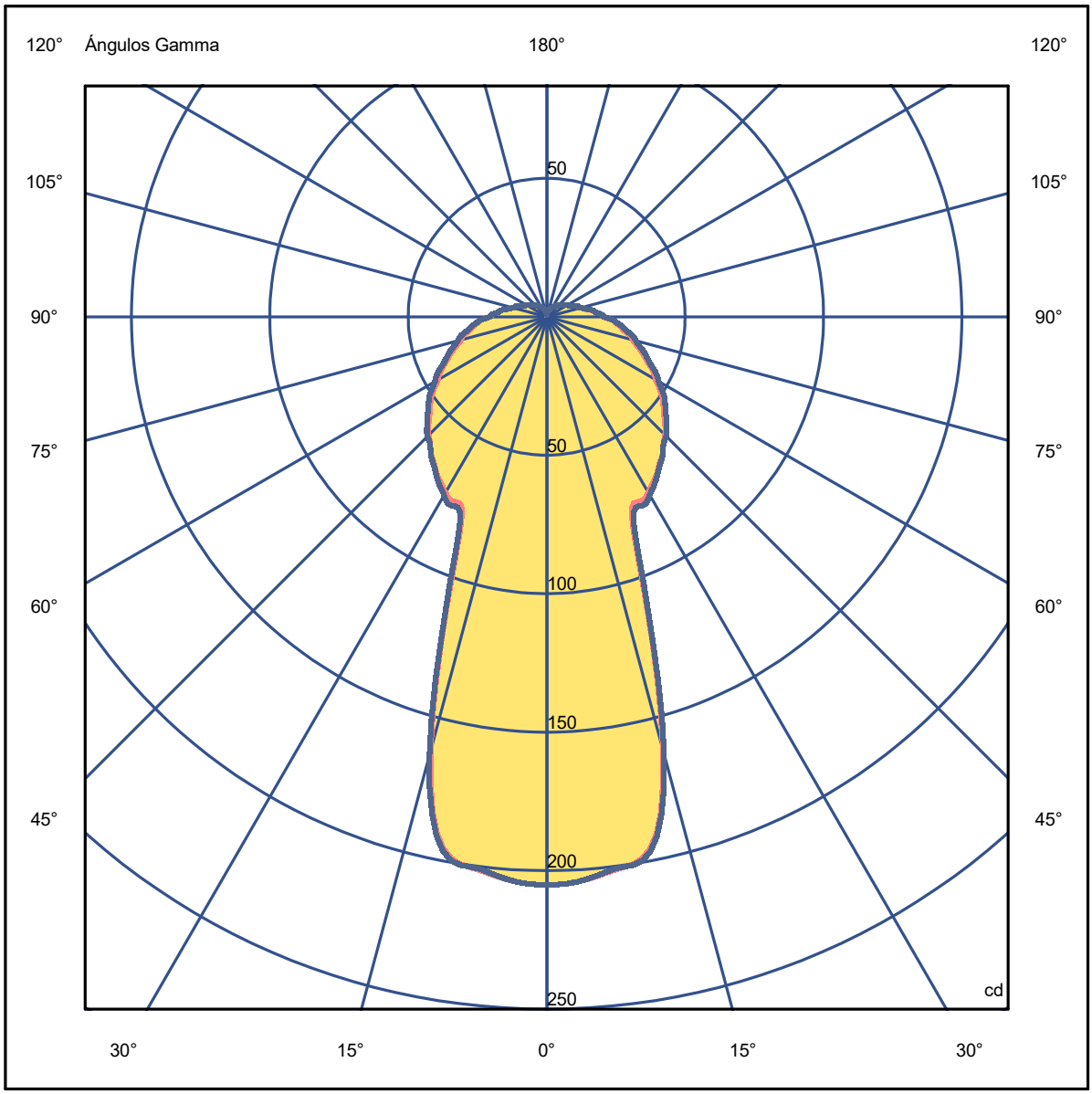
Luminaire Flux	398 lm	Luminaire Power	8.4 W	Efficacy	47.401 lm/W	Efficiency	100.00%
Source Flux	398 lm	Maximum value	205.21 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=255mm



Semiplanos C





Luminaire
Code 309
Name NANS_PORTABLE_M_OUTDOOR_USA
Measurem.
Code CL092A25D002GPE1
Name NANS_PORTABLE_M_OUTDOOR_USA

Luminaire Flux	398 lm	Luminaire Power	8.4 W	Efficacy	47.401 lm/W	Efficiency	100.00%
Source Flux	398 lm	Maximum value	205.21 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

UGR
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	17.5	18.7	18.0	19.2	19.7	17.6	18.8	18.1	19.3	19.8
x=2H y=3H	19.4	20.5	20.0	21.0	21.6	19.5	20.6	20.1	21.2	21.7
x=2H y=4H	20.4	21.4	20.9	21.9	22.5	20.5	21.5	21.1	22.1	22.7
x=2H y=6H	21.3	22.3	21.9	22.8	23.4	21.5	22.4	22.1	23.0	23.6
x=2H y=8H	21.8	22.7	22.3	23.2	23.9	21.9	22.9	22.5	23.4	24.1
x=2H y=12H	22.2	23.1	22.8	23.7	24.3	22.4	23.3	23.0	23.9	24.5
x=4H y=2H	18.2	19.2	18.8	19.8	20.4	18.3	19.3	18.9	19.9	20.5
x=4H y=3H	20.3	21.2	20.9	21.8	22.5	20.5	21.3	21.1	21.9	22.6
x=4H y=4H	21.5	22.3	22.1	22.9	23.5	21.6	22.4	22.2	23.0	23.7
x=4H y=6H	22.6	23.3	23.2	23.9	24.6	22.7	23.5	23.4	24.1	24.8
x=4H y=8H	23.1	23.8	23.8	24.4	25.2	23.3	24.0	24.0	24.6	25.3
x=4H y=12H	23.7	24.3	24.3	24.9	25.7	23.8	24.4	24.5	25.1	25.8
x=8H y=4H	21.9	22.6	22.6	23.2	24.0	22.0	22.7	22.7	23.3	24.1
x=8H y=6H	23.3	23.8	23.9	24.5	25.3	23.4	24.0	24.1	24.6	25.4
x=8H y=8H	24.0	24.5	24.7	25.1	25.9	24.1	24.6	24.8	25.3	26.1
x=8H y=12H	24.7	25.1	25.4	25.8	26.6	24.8	25.3	25.6	26.0	26.8
x=12H y=4H	22.0	22.6	22.7	23.3	24.0	22.1	22.7	22.8	23.4	24.1
x=12H y=6H	23.4	23.9	24.1	24.6	25.4	23.6	24.1	24.3	24.7	25.5
x=12H y=8H	24.2	24.6	24.9	25.3	26.2	24.4	24.8	25.1	25.5	26.3

Luminaire
Code 309
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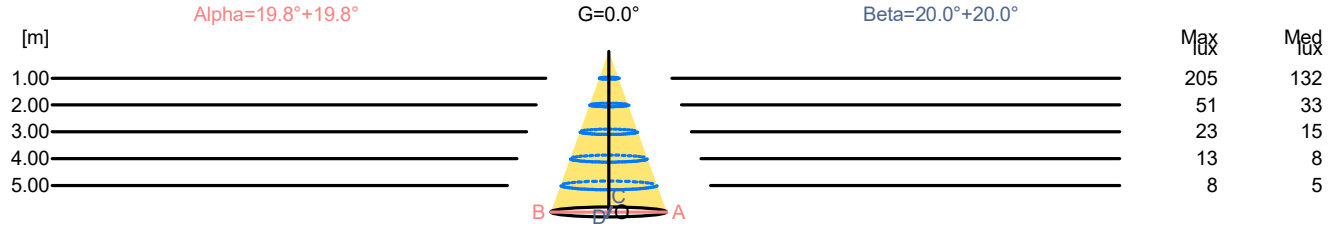
Luminaire Flux	398 lm	Luminaire Power	8.4 W	Efficacy	47.401 lm/W	Efficiency	100.00%
Source Flux	398 lm	Maximum value	205.21 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.36	0.72	1.08	1.44	1.80	OC	0.36	0.73	1.09	1.45	1.82
OB	0.36	0.72	1.08	1.44	1.80	OD	0.36	0.73	1.09	1.45	1.82

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	205.21	202.90	162.13	74.29	69.22	60.43	51.03	40.83	32.02	24.96
OB	205.21	202.90	162.13	74.29	69.22	60.43	51.03	40.83	32.02	24.96
OC	205.21	202.70	163.70	75.96	69.59	60.98	52.01	41.76	33.23	25.56
OD	205.21	202.70	163.70	75.96	69.59	60.98	52.01	41.76	33.23	25.56



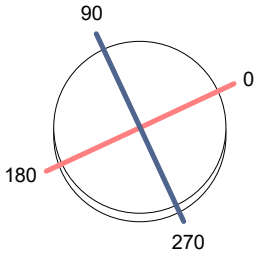
H[m]	D[m]	Max lux	Med lux	Alpha=19.8°+19.8° G=0.0
1.00	0.72	205	132	
2.00	1.44	51	33	
3.00	2.16	23	15	
4.00	2.88	13	8	
5.00	3.60	8	5	

H[m]	D[m]	Max lux	Med lux	Beta=20.0°+20.0° G=0.0
1.00	0.73	205	132	
2.00	1.45	51	33	
3.00	2.18	23	15	
4.00	2.91	13	8	
5.00	3.63	8	5	

Luminaire
Code 309
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Measurem.
Code CL092A25D002GPE1
Name NANS_PORTABLE_M_OUTDOOR_USA

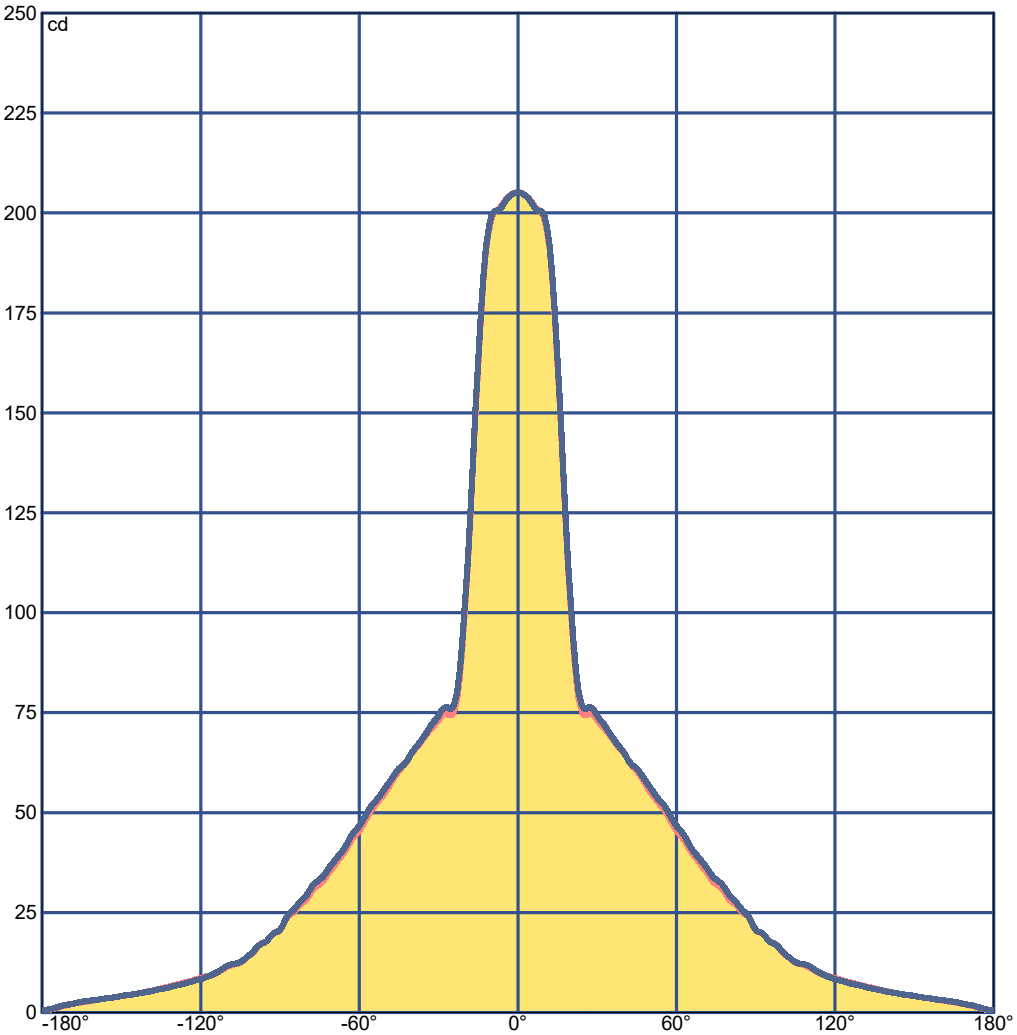
Luminaire Flux	398 lm	Luminaire Power	8.4 W	Efficacy	47.401 lm/W	Efficiency	100.00%
Source Flux	398 lm	Maximum value	205.21 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=255mm



Semiplanos C





Luminaire
Code 309
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Measurem.
Code CL092A25D002GPE1
Name NANS_PORTABLE_M_OUTDOOR_USA

Luminaire Flux	398 lm	Luminaire Power	8.4 W	Efficacy	47.401 lm/W	Efficiency	100.00%
Source Flux	398 lm	Maximum value	205.21 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Flujo Total=398.16 Flujo Luminaria=398.16

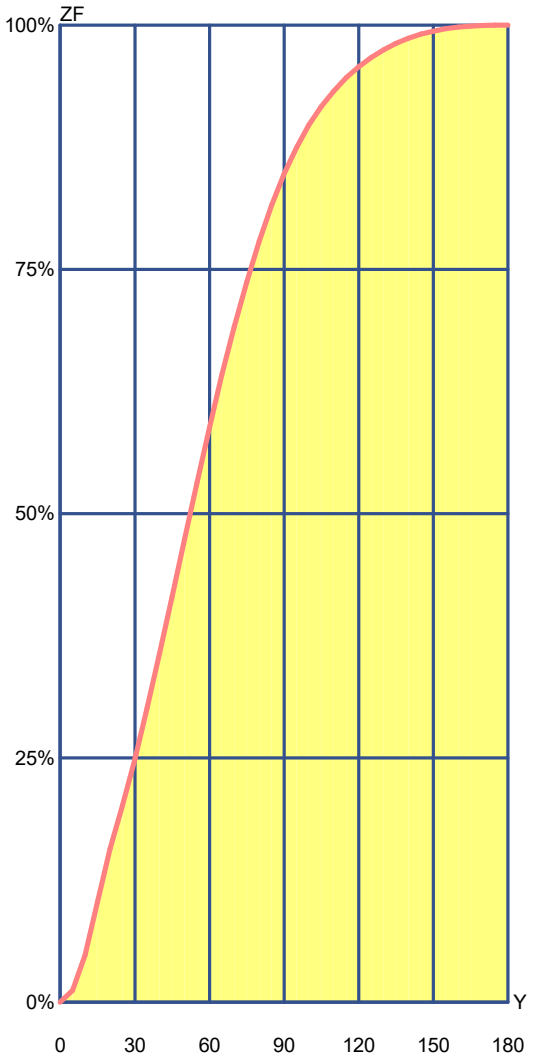
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.29	0.36	0.43	0.49	0.54	0.62	0.67	0.71	0.77	0.80	0.88	0.93
RC	5	6	6	6	6	6	6	7	7	7	7	7

Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	48	157	249	357	474	588	691	779	848	898	933	957	975	986	994	998	1000	1000

Códigos de Flujo C.I.E.
44 69 87 85 100

C.I.E.	5/6/6/6/6/6/7/7/7/7/7	LOR	100.00000 %
D DIN 5040	B31	ULOR	15.21595 %
F UTE	0.85 F + 0.15 T	DLOR	84.78405 %
B NBN	BZ 5 / 4 / BZ 6	UFF	15.21595 %
RN	15.21595 %	DFF	84.78405 %
BLF	1.0	FFR	17.94671 %



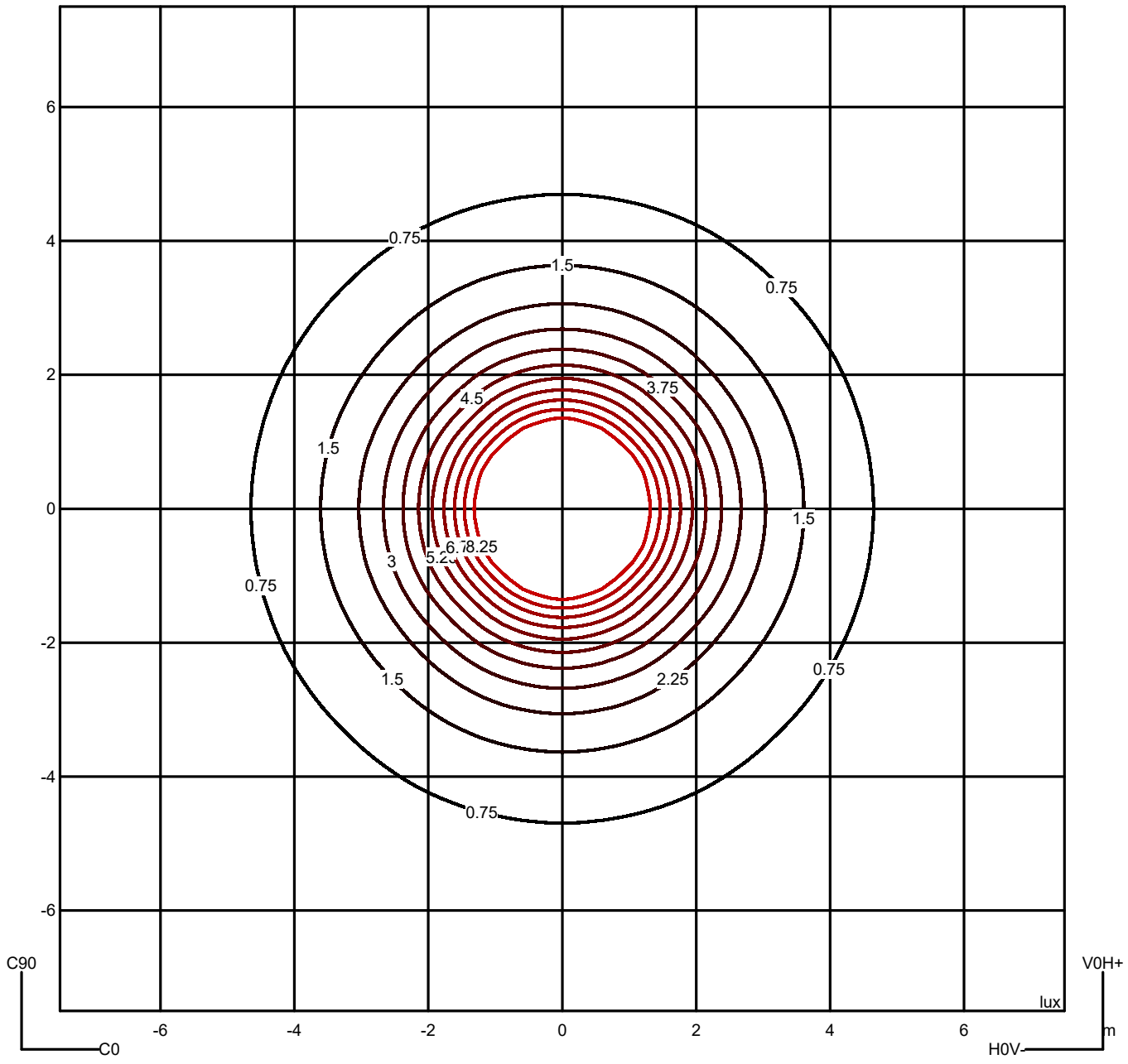
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	12.25	12.25	1.22 %	1.22 %
10°	36.05	48.30	3.60 %	4.83 %
15°	54.69	102.99	5.47 %	10.30 %
20°	54.00	156.99	5.40 %	15.70 %
25°	44.45	201.44	4.44 %	20.14 %
30°	47.42	248.86	4.74 %	24.89 %
35°	52.63	301.49	5.26 %	30.15 %
40°	55.88	357.37	5.59 %	35.74 %
45°	57.87	415.23	5.79 %	41.52 %
50°	58.74	473.98	5.87 %	47.40 %
55°	58.09	532.07	5.81 %	53.21 %
60°	56.36	588.43	5.64 %	58.84 %
65°	53.38	641.81	5.34 %	64.18 %
70°	49.54	691.36	4.95 %	69.14 %
75°	45.55	736.90	4.55 %	73.69 %
80°	41.76	778.66	4.18 %	77.87 %
85°	37.05	815.72	3.71 %	81.57 %
90°	32.12	847.84	3.21 %	84.78 %
95°	26.94	874.78	2.69 %	87.48 %
100°	23.05	897.83	2.31 %	89.78 %
105°	18.74	916.57	1.87 %	91.66 %
110°	15.93	932.50	1.59 %	93.25 %
115°	13.54	946.05	1.35 %	94.60 %
120°	11.14	957.19	1.11 %	95.72 %
125°	9.48	966.67	0.95 %	96.67 %
130°	7.97	974.64	0.80 %	97.46 %
135°	6.55	981.19	0.65 %	98.12 %
140°	5.28	986.47	0.53 %	98.65 %
145°	4.15	990.62	0.41 %	99.06 %
150°	3.18	993.80	0.32 %	99.38 %
155°	2.37	996.17	0.24 %	99.62 %
160°	1.70	997.86	0.17 %	99.79 %
165°	1.14	999.00	0.11 %	99.90 %
170°	0.66	999.67	0.07 %	99.97 %
175°	0.28	999.95	0.03 %	99.99 %
180°	0.05	1000.00	0.01 %	100.00 %

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Luminaire Flux	398 lm	Luminaire Power	8.4 W	Efficacy	47.401 lm/W	Efficiency	100.00%
Source Flux	398 lm	Maximum value	205.21 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



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Luminaire Flux	398 lm	Luminaire Power	8.4 W	Efficacy	47.401 lm/W	Efficiency	100.00%
Source Flux	398 lm	Maximum value	205.21 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Spectral Data

Std.: No import standard

CIE1931	x =0.464943	y =0.412774
CIE1960	u =0.264796	v =0.352627
CIE1976	u'=0.264796	v'=0.528941
D(u,v)	0.00040	

Color rendering index (CRI)
Color Rendering Components

CCT = [2647 K]*

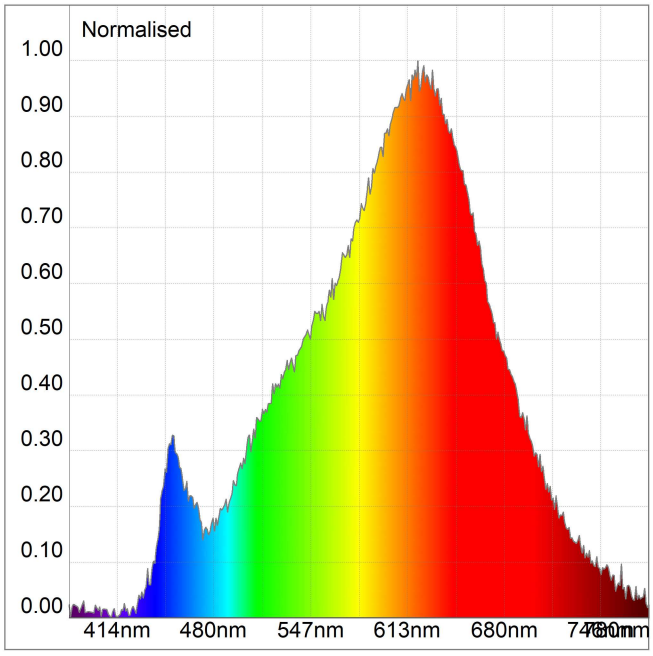
CRI8(Ra) [91.7]* CRI15(Rav) [88.6]*

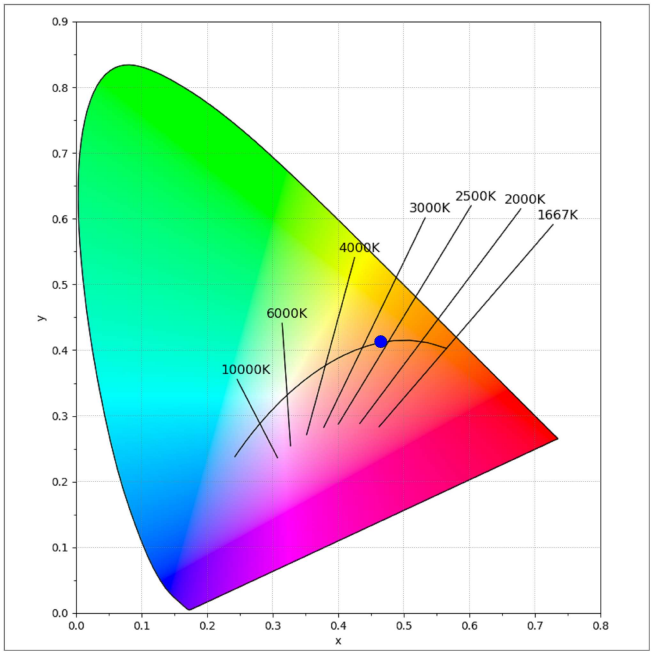
R 1: 91.6	R 2: 96.1	R 3: 98.9	R 4: 91.5	R 5: 91.4
R 6: 96.1	R 7: 90.2	R 8: 77.7	R 9: 51.8	R10: 90.1
R11: 92.6	R12: 83.7	R13: 92.8	R14: 98.8	R15: 86.6

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
381.0	0.023445	387.0	0.018992	393.0	0.009916
399.0	0.022563	405.0	0.015182	411.0	0.011513
417.0	0.014706	423.0	0.005042	429.0	0.040546
435.0	0.088655	441.0	0.126891	447.0	0.267647
453.0	0.326471	459.0	0.248319	465.0	0.218487
471.0	0.176050	477.0	0.148739	483.0	0.165966
489.0	0.213025	495.0	0.238655	501.0	0.286555
507.0	0.317227	513.0	0.353782	519.0	0.384454
525.0	0.419328	531.0	0.462185	537.0	0.470588
543.0	0.504202	549.0	0.533613	555.0	0.563025
561.0	0.575630	567.0	0.613445	573.0	0.668067
579.0	0.714286	585.0	0.743697	591.0	0.798319
597.0	0.827731	603.0	0.894958	609.0	0.932773
615.0	0.966387	621.0	1.000000	627.0	0.974790
633.0	0.936975	639.0	0.903361	645.0	0.861345
651.0	0.802521	657.0	0.726891	663.0	0.676471
669.0	0.567227	675.0	0.500000	681.0	0.470588
687.0	0.424370	693.0	0.368067	699.0	0.316807
705.0	0.293697	711.0	0.225210	717.0	0.199160
723.0	0.160924	729.0	0.135714	735.0	0.129832
741.0	0.102101	747.0	0.077731	753.0	0.077311
759.0	0.062605	765.0	0.057143	771.0	0.056303
777.0	0.052941				

Spectrum Graph

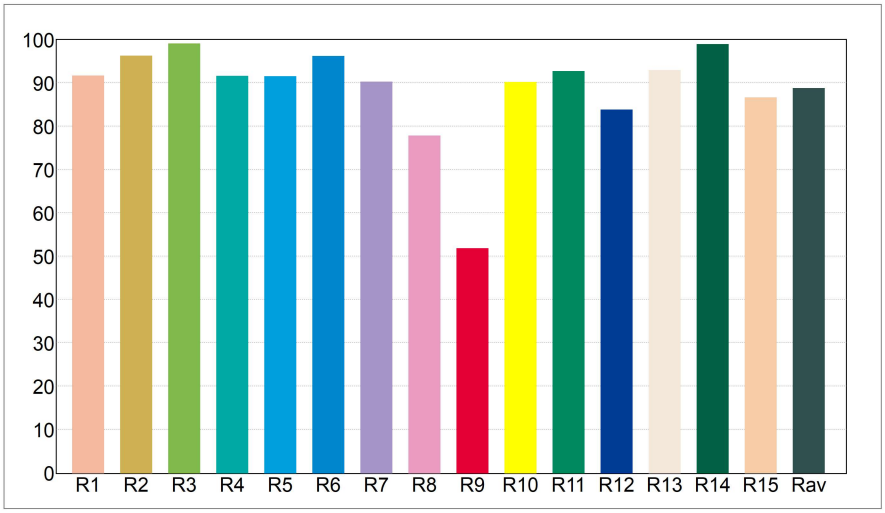


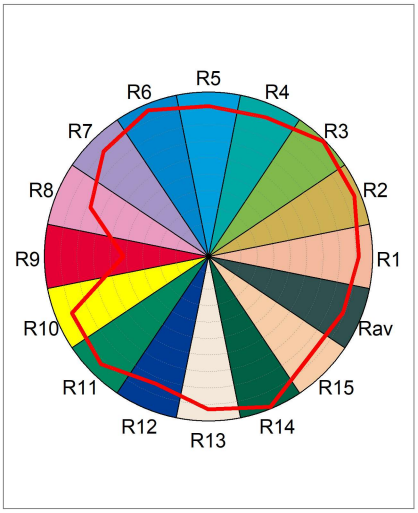


Luminaire
Code 309
Name NANS_PORTABLE_M_OUTDOOR_USA
Measurem.
Code CL092A25D002GPE1
Name NANS_PORTABLE_M_OUTDOOR_USA

Luminaire Flux	398 lm	Luminaire Power	8.4 W	Efficacy	47.401 lm/W	Efficiency	100.00%
Source Flux	398 lm	Maximum value	205.21 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

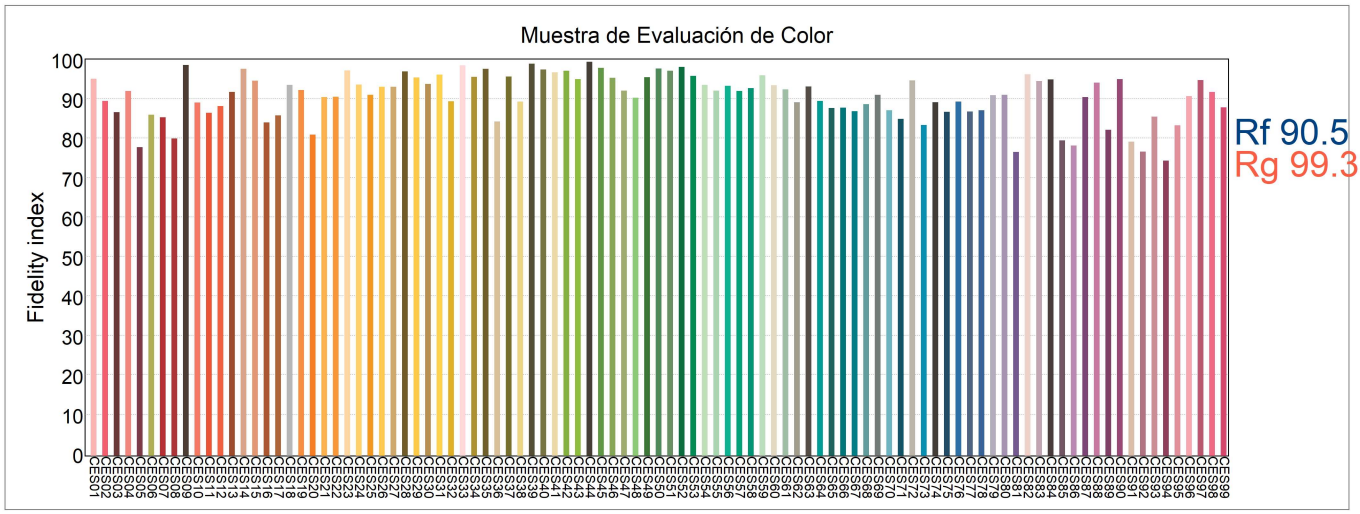
CRI Graphs



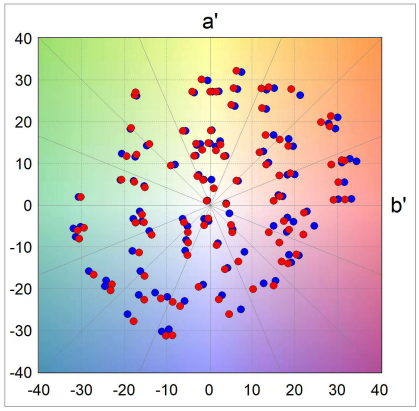


Luminaire
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Name NANS_PORTABLE_M_OUTDOOR_USA
Measurem.
Code CL092A25D002GPE1
Name NANS_PORTABLE_M_OUTDOOR_USA

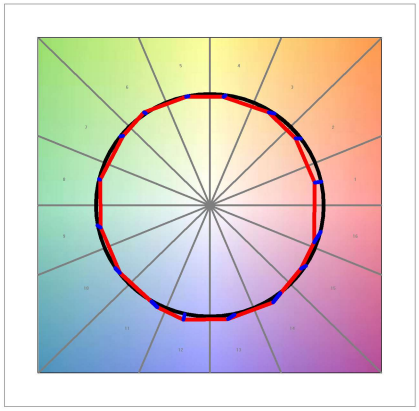
Luminaire Flux	398 lm	Luminaire Power	8.4 W	Efficacy	47.401 lm/W	Efficiency	100.00%
Source Flux	398 lm	Maximum value	205.21 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical



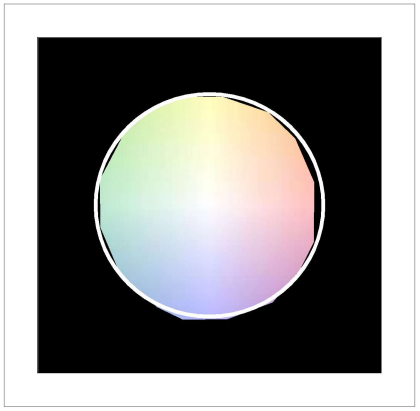
Chromatic Coordinates (a', b') 99 CES



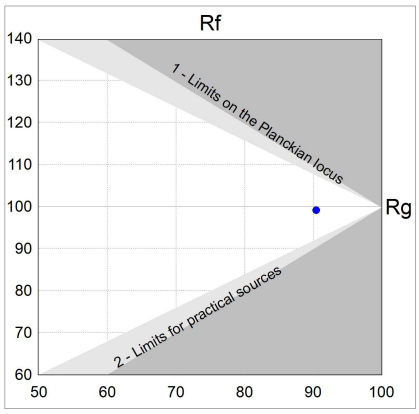
Color Vector Graphic



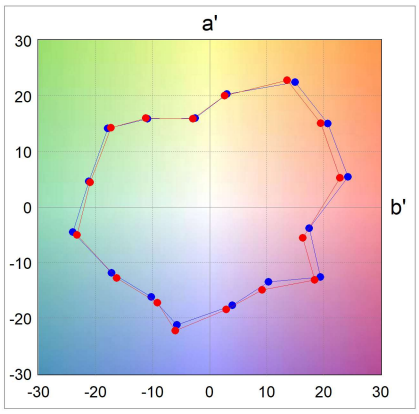
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

